

Name _____ Date _____

2.5B DIVIDING RADICAL EXPRESSIONS

Simplify each radical expression

1. $\frac{9 - \sqrt{2}}{8 - \sqrt{2}} =$

2. $\frac{7 + \sqrt{5}}{6 - \sqrt{5}} =$

3. $\frac{5 - 2\sqrt{6}}{7 - 3\sqrt{6}} =$

4. $\frac{4 - 5\sqrt{3}}{3 + 8\sqrt{3}} =$

5. $\frac{\sqrt{162a^5}}{\sqrt{6a^{12}}} =$

6. $\frac{\sqrt{5x^3}}{\sqrt{18}} =$

7. $\frac{\sqrt{12a^9}}{\sqrt{8a^3b^5}} =$

8. $\frac{\sqrt[3]{18a^4b^{11}}}{\sqrt[3]{32a^9b^3}} =$

9. $\frac{\sqrt{24a^9b^{17}}}{\sqrt{30a^{14}b^{11}}} =$

10. $\frac{\sqrt[3]{30a^7b^8}}{\sqrt[3]{24a^{12}b^{14}}} =$

11. $\frac{4\sqrt{6} - 7\sqrt{3}}{3\sqrt{2}} =$